

## LOWER COLORADO RIVER BASIN-LAKE MEAD, LAS VEGAS WASH

09419658 LAS VEGAS WASH NEAR SAHARA AVENUE NEAR LAS VEGAS, NV

LOCATION.--Lat 36°08'47", long 115°03'07" referenced to North American Datum of 1927, in SW 1/4 SE 1/4 sec. 04, T.21 S., R.62 E., Clark County, Hydrologic Unit 15010015, on south side of golf cart bridge, 1,200 ft south at Sahara Avenue and 0.5 mi east of Nellis Boulevard.

DRAINAGE AREA.--1,146 mi<sup>2</sup>.

PERIOD OF RECORD.--March 1988 to current year.

GAGE.--Water-stage recorder and recording tipping bucket rain gage with 0.01 inch increment. Elevation of gage is 1,715 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 14, 1994, at site 1,200 ft upstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,100 ft<sup>3</sup>/s, July 8, 1999, gage height, 13.69 ft; no flow many days, some years. Maximum daily precipitation, 1.56 inches, June 10, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,080 ft<sup>3</sup>/s, February 22, gage height, 12.19 ft; minimum daily discharge, 0.94 ft<sup>3</sup>/s, March 23. Maximum daily precipitation, 0.62 in., April 2.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	e3.3	4.4	7.4	5.1	3.7	4.0	2.3	3.7	2.2	2.7	3.1
2	4.1	e3.2	4.4	9.1	4.8	28	470	2.6	6.9	2.2	8.8	3.1
3	4.0	e3.1	4.4	9.1	11	3.8	282	4.2	3.9	2.2	5.9	3.1
4	5.0	e3.6	4.4	9.1	6.7	3.7	8.7	e3.4	1.8	2.2	2.7	3.1
5	3.5	3.7	4.4	9.1	4.8	3.6	4.1	e2.9	3.1	2.2	2.7	3.1
6	3.2	3.7	4.4	9.1	4.8	3.5	2.5	e2.4	2.8	2.2	2.7	3.1
7	3.7	3.7	4.4	8.8	4.8	3.5	2.0	2.3	1.8	2.3	2.7	3.6
8	2.0	3.7	4.4	7.9	4.8	3.4	3.5	2.9	1.9	2.3	2.7	3.7
9	3.3	3.9	4.4	5.0	4.9	3.3	9.1	3.6	1.8	2.3	2.7	40
10	3.4	3.9	4.4	4.6	7.0	2.6	1.7	3.9	1.9	2.6	2.7	9.9
11	2.0	3.9	150	4.6	8.5	1.4	0.95	4.1	1.9	2.7	2.8	3.2
12	1.9	144	30	4.6	5.0	1.4	1.7	2.8	1.9	2.5	8.0	3.2
13	2.0	53	8.3	4.8	5.0	1.4	2.2	4.1	1.9	2.4	88	3.2
14	2.1	15	14	4.8	5.0	1.4	2.9	4.7	1.9	2.3	3.0	3.2
15	2.2	15	9.7	4.8	5.0	1.4	3.8	5.6	1.9	2.3	73	3.2
16	2.3	26	8.3	4.8	5.0	1.3	4.8	4.5	3.9	5.0	290	3.2
17	2.3	13	8.3	4.8	5.0	1.3	6.5	1.9	6.6	22	119	3.2
18	2.3	12	8.3	4.8	5.0	1.2	7.8	3.4	3.9	21	6.8	3.2
19	2.3	11	8.3	4.8	5.0	1.2	9.4	3.3	2.0	5.8	3.4	3.1
20	2.4	9.1	7.6	5.4	6.0	1.1	10	1.5	2.0	2.5	3.2	3.1
21	2.3	5.6	5.1	7.3	223	1.0	9.6	1.7	2.0	2.5	10	3.1
22	2.2	5.2	4.6	7.2	680	0.99	5.8	1.6	2.0	2.5	4.3	5.1
23	2.2	5.6	4.6	6.9	781	0.94	1.7	1.5	2.0	2.5	5.9	4.9
24	2.2	4.2	9.6	6.1	14	1.1	1.6	1.5	2.0	2.5	4.9	3.2
25	2.2	4.2	281	4.8	5.6	2.8	1.6	1.5	2.2	2.5	3.2	3.2
26	2.2	4.2	177	6.0	64	2.8	1.8	1.5	2.2	2.5	3.2	3.2
27	2.3	4.2	9.1	6.6	4.0	2.8	1.7	2.1	2.1	2.5	3.2	3.2
28	2.3	4.2	9.0	8.6	3.9	2.9	1.3	1.7	2.2	2.5	3.2	4.0
29	5.0	4.4	7.4	8.1	3.8	2.8	1.6	1.7	2.2	2.5	3.2	3.2
30	e3.2	4.4	149	7.0	---	3.1	1.8	1.7	2.2	2.6	3.2	3.2
31	e3.5	---	10	8.4	---	3.4	---	1.8	---	2.6	3.2	---
TOTAL	87.6	384.0	963.2	204.4	1,892.5	96.83	866.15	84.7	78.6	118.9	681.0	143.9
MEAN	2.83	12.8	31.1	6.59	65.3	3.12	28.9	2.73	2.62	3.84	22.0	4.80
MAX	5.0	144	281	9.1	781	28	470	5.6	6.9	22	290	40
MIN	1.9	3.1	4.4	4.6	3.8	0.94	0.95	1.5	1.8	2.2	2.7	3.1
AC-FT	174	762	1,910	405	3,750	192	1,720	168	156	236	1,350	285
†	0.00	0.54	0.82	0.03	1.13	0.07	0.92	0.00	0.00	0.24	0.01	0.13

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	3.29	3.98	5.57	7.71	21.1	7.57	5.64	3.46	3.65	6.92	8.41	6.92
(WY)	(1993)	(2004)	(2004)	(1995)	(2004)	(1992)	(2004)	(1989)	(1990)	(1990)	(1999)	(2003)
MAX	13.0	12.8	31.1	50.0	65.3	44.0	28.9	6.16	12.9	59.0	24.2	41.9
MIN	0.73	0.18	0.02	0.00	0.77	0.94	0.85	1.33	0.74	0.74	1.01	0.96
(WY)	(1990)	(1996)	(1996)	(1991)	(1996)	(1990)	(1996)	(1990)	(1989)	(1989)	(1992)	(1992)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	4,536.2		5,601.78		7.06	
ANNUAL MEAN	12.4		15.3		15.3	2004
HIGHEST ANNUAL MEAN					1.44	1996
LOWEST ANNUAL MEAN					948	Jul 8, 1999
HIGHEST DAILY MEAN	362	Feb 26	781	Feb 23	0.00	Dec 21, 1990
LOWEST DAILY MEAN	1.4	Sep 15	0.94	Mar 23	0.00	Dec 21, 1990
ANNUAL SEVEN-DAY MINIMUM	1.7	Feb 4	1.1	Mar 18	8,100	Jul 8, 1999
MAXIMUM PEAK FLOW			3,080	Feb 22	16.27	Jun 10, 1990
MAXIMUM PEAK STAGE			12.19	Feb 22	5,110	
ANNUAL RUNOFF (AC-FT)	9,000		11,110		6.4	
10 PERCENT EXCEEDS	9.8		9.6		2.1	
50 PERCENT EXCEEDS	4.2		3.5		0.72	
90 PERCENT EXCEEDS	2.1		1.8			

e Estimated

† Precipitation total, in inches